

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Docket No. YOR920030387US1

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

22388 U.S. PTO  
10/696139  
102903

Sir:

Transmitted herewith for filing is the patent application of Inventor(s):

**WOOGUN RHEE, SERGEY V. RYLOV, and DANIEL FRIEDMAN**

For: **SEMIDIGITAL DELAY-LOCKED LOOP USING AN ANALOG-BASED FINITE STATE MACHINE**

Assignee Name: International Business Machines Corporation  
Assignee Residence: Armonk, New York

Enclosed are also:

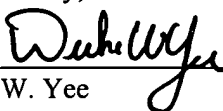
☒ 16 Pages of Specification including an Abstract  
☒ 3 Pages of Claims (Claims 1 - 16 )  
☒ 4 Sheet(s) of formal drawings  
☒ A Declaration and Power of Attorney  
☒ Associate Power of Attorney  
☒ Form PTO 1595 and assignment of the invention to IBM Corporation  
☒ Information Disclosure Statement  
☒ Form PTO 1449 and Reference AA

## CLAIMS AS FILED

FOR	Number Filed		Number Extra		Rate		Basic Fee (\$770)
Total Claims	16	-20 =	0	X	\$ 18	=	\$0
Independent Claims	1	-3 =	0	X	\$ 86	=	\$0
Multiple Dependent Claims	0			X	\$290	=	\$0
<b>Total Filing Fee</b>							<b>= \$770</b>

☒ Please charge \$770 to IBM Corporation, Deposit Account No. 50-0510.  
☒ The Commissioner is hereby authorized to charge payment of the following fees associated with the communication or credit any over payment to IBM Corporation, Deposit Account No. 50-0510. A duplicate copy of this sheet is enclosed.  
☒ Any additional filing fees required under 37 CFR § 1.16.  
☒ Any patent application processing fees under 37 CFR § 1.17.

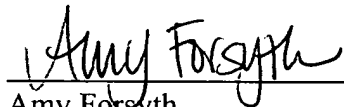
Respectfully,



Duke W. Yee  
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**CERTIFICATE OF MAILING BY "EXPRESS MAIL"**

"Express Mail" mailing label number EV162980402US. Date of deposit **October 29, 2003**. I hereby certify that the papers or fees listed below are being deposited with the United States Postal Service by "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated above and is addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

  
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Amy Forsyth

ENCLOSED are the following documents, being sent by "Express Mail":

1. Transmittal Letter in duplicate;
2. Associate Power of Attorney;
3. Recordation;
4. Assignment (1);
5. Declaration and Power of Attorney (1);
6. Patent Application ( 16 pgs. spec. & abstract, 3 pgs. Claims 1 - 16 );
7. 4 pages of formal drawings;
8. Information Disclosure Statement;
9. Form PTO 1449;
10. Reference AA; and
11. Two return postcards.